

Listing of claims

This listing of claims will replace all prior versions and listings of claims in the application:

1-17. (canceled).

18. (withdrawn--currently amended) A method of detecting *Streptococcus* nucleic acids in a biological sample obtained from an animal involving assaying for one or more nucleic acid sequences encoding *Streptococcus* polypeptides in a sample comprising:

(a) contacting the sample with the isolated polynucleotide of claim 62 74, under conditions such that hybridization occurs, and

(b) detecting hybridization of said polynucleotide to the one or more *Streptococcus* nucleic acid sequences present in the biological sample.

19. (withdrawn--currently amended) A method of detecting *Streptococcus* nucleic acids in a biological sample obtained from an animal, comprising:

(a) amplifying the polynucleotide of ~~SEQ ID NO:65~~ claim 74 in said sample using polymerase chain reaction, and

(b) detecting said amplified polynucleotide.

20-23 (canceled).

24. (currently amended) The An isolated polynucleotide of claim 22 comprising a nucleic acid sequence which encodes the amino acid sequence of SEQ ID NO:66.

25. (currently amended) The isolated polynucleotide of claim 22 24 which is fused to a heterologous polynucleotide sequence.

26. (previously presented) The isolated polynucleotide of claim 25, wherein said heterologous polynucleotide sequence encodes a polypeptide.

27. (currently amended) A method of making a recombinant vector comprising inserting the isolated polynucleotide of claim 22 24 into a vector.

28. (currently amended) A recombinant vector comprising the isolated polynucleotide of claim 22 24.

29. (previously presented) The recombinant vector of claim 28, wherein said polynucleotide is operably associated with a heterologous regulatory sequence that controls gene expression.

30. (currently amended) A recombinant host cell comprising the isolated polynucleotide of claim 22 24.

31. (previously presented) The recombinant host cell of claim 30, wherein said polynucleotide is operably associated with a heterologous regulatory sequence that controls gene expression.

32. (currently amended) A method for producing a polypeptide, comprising:

(a) culturing a recombinant host cell comprising the isolated polynucleotide of claim 22 24 under conditions suitable to produce a polypeptide encoded by said polynucleotide; and

(b) recovering the polypeptide.

33-34. (canceled).

35. (currently amended) An isolated polynucleotide consisting of a nucleic acid sequence encoding ~~a portion of the amino acid sequence of SEQ ID NO:66 which specifically binds an antibody that specifically binds to a polypeptide consisting of the amino acid sequence of SEQ ID NO:66, wherein said portion comprises an amino acid sequence selected from the group consisting of:~~

- (a) Gly-11 to Arg-19;
- (b) Ile-23 to Lys-31;
- (c) His-145 to Asn-151;
- (d) Gln-159 to Asp-166;
- (e) Ile-175 to Asp-181;
- (f) Gly-213 to Tyr-225;

- (g) Ile-283 to Val-291;
- (h) Pro-329 to Glu-364;
- (i) Arg-372 to Ser-386;
- (j) Thr-421 to Phe-430;
- (k) Leu-445 to Val-453;
- (l) Ile-486 to Ala-497; and
- (m) Asp-524 to Ala-535.

36. (previously presented) The isolated polynucleotide of claim 35, wherein said amino acid sequence comprises (a) and (b).

37. (previously presented) The isolated polynucleotide of claim 35, wherein said amino acid sequence comprises (l) and (m).

38. (previously presented) The isolated polynucleotide of claim 35, wherein said amino acid sequence is (h).

39. (previously presented) The isolated polynucleotide of claim 35, wherein said amino acid sequence is (i).

40. (previously presented) The isolated polynucleotide of claim 35 which is fused to a heterologous polynucleotide sequence.

41. (previously presented) The isolated polynucleotide of claim 40, wherein said heterologous polynucleotide sequence encodes a polypeptide.

42. (previously presented) A method for making a recombinant vector comprising inserting the isolated polynucleotide of claim 35 into a vector.

43. (previously presented) A recombinant vector comprising the isolated polynucleotide of claim 35.

44. (previously presented) The recombinant vector of claim 43, wherein said polynucleotide is operably associated with a heterologous regulatory sequence that controls gene expression.

45. (previously presented) A recombinant host cell comprising the isolated polynucleotide of claim 35.

46. (previously presented) The recombinant host cell of claim 45, wherein said polynucleotide is operably associated with a heterologous regulatory sequence that controls gene expression.

47. (previously presented) A method for producing a polypeptide, comprising:

(a) culturing a recombinant cell comprising the isolated polynucleotide of claim 35 under conditions suitable to produce a polypeptide encoded by said polynucleotide; and

(b) recovering the polypeptide.

48 - 73. (canceled).

74. (previously presented) An isolated polynucleotide consisting of a nucleic acid molecule selected from the group consisting of:

(a) SEQ ID NO:65; and

(b) the full complement of (a).

75. (previously presented) The isolated polynucleotide of claim 74 which is fused to a heterologous polynucleotide sequence.

76. (previously presented) A method for making a recombinant vector comprising inserting the isolated polynucleotide of claim 74 into a vector.

77. (previously presented) A recombinant vector comprising the isolated polynucleotide of claim 74.

78. (previously presented) A recombinant host cell comprising the isolated polynucleotide of claim 74.

79 - 92 (canceled).